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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/858,313	05/15/2001	Norman F. Sheppard JR.	MBHB00-404-C	3094
20306	7590	07/01/2004	EXAMINER	
MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP			CHOI, LING SIU	
300 S. WACKER DRIVE			ART UNIT	PAPER NUMBER
32ND FLOOR				
CHICAGO, IL 60606			1713	

DATE MAILED: 07/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	09/858,313	SHEPPARD ET AL.
	Examiner Ling-Siu Choi	Art Unit 1713

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_.
- 2a) This action is **FINAL**.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_ is/are allowed.
- 6) Claim(s) 1-5 is/are rejected.
- 7) Claim(s) \_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. ____ .   |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____ . | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|  | 6) <input type="checkbox"/> Other: ____ .                                   |

## DETAILED ACTION

1. Claims 1-5 are now pending, wherein claims 1 and 3-5 are drawn to a microfluidic platform and claim 2 is drawn to a method to prepare a preassembled device.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Pourahmadi et al. (WO 99/33559).

The present invention relates to a microfluidic platform comprising

(1)	a plurality of microfluidics components
(2)	microchannels
wherein the microfluidic components are fluidly connected by microchannels	
wherein each of the microfluidic components and microchannels comprises an interior surface which is coated with a <b>conformal coating of parylene</b>	
wherein the combination of microfluidic components defines a manifold which communicates to the ambient atmosphere through ports and vents	

(summary of claim 1)

Pourahmadi et al. disclose a device for separating a desired analyte from a fluid sample and for concentrtring the analyte into a volume of fluid smaller than the original sample volume, the device comprising a cartridge having (a) an inlet port for introducing the sample, (b) a sample flow path from the inlet port, which includes at least one flow-through component for capturing the desired analyte from the sample, (c) an elution flow path for carrying the released captured analyte from the component into the elution fluid, which diverges from the sample flow path, wherein the flow through component comprises a microfabricated chip having chambers (or channels) of microstructures (channel) with high surface area for binding the desired analyte (claims 1-2). Pourahmadi et al. further disclose that the microstructures comprises silica on which a paraylene coating is applied to make the overall system more compatible with the reactions being carried on (page 28, lines 6-34). Pourahmadi et al. furthermore disclose that the cartridge is prepared by the microfabrication techniques which include low-pressure vapor deposition, glass bonding, and wet chemical etching. Pourahmadi et al. also disclose that the cartridge can be applied for PCR amplification and detection (page 20, lines 1-5). Thus, the present claims are anticipated by the disclosure of Pourahmadi et al..

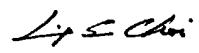
### ***Conclusion***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ling-Siu Choi whose telephone number is 571-272-1098.  
If attempt to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

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David Wu, can be reach on 571-272-1114.



Ling -Siu Choi

June 25, 2004